

CLAIMS

I claim:

1. A radio signal receiving system comprising:

a location unit;

a frequency selection unit coupled to receive global positioning system derived position information from the location unit; and

a receiving unit coupled to receive from the selection unit data for tuning a particular frequency, wherein the particular frequency is associated with a radio signal reception area that encompasses the system position.

2. The system of claim 1 wherein the frequency is the transmission frequency of a frequency modulated (FM) broadcast station.

3. The system of claim 1 wherein the frequency is the transmission frequency of a satellite transmitter.

4. The system of claim 1 further comprising a user interface electrically coupled to receive from the selection unit data arranged as radio signal content categories, and to output a menu of the categories to a listener.

5. The system of claim 4 wherein at least a portion of the menu is output on a visual display.

6. The system of claim 4 wherein at least a portion of the menu is audibly output by the interface.

7. The system of claim 1 further comprising a user interface electrically coupled to receive and relay to the selection unit a user command to select a particular content category in an

arrangement of radio signal content categories stored in the selection unit.

8. The system of claim 7 wherein the command is a verbal command.

9. A radio signal receiving system comprising:

a location unit;

a frequency selection unit coupled to receive cellular wireless communication system derived position information from the location unit; and

a receiving unit coupled to receive from the selection unit data for tuning a particular frequency, wherein the particular frequency is associated with a radio signal reception area that encompasses the system position.

10. The system of claim 9 wherein the frequency is the transmission frequency of a frequency modulated (FM) broadcast station.

11. The system of claim 9 wherein the frequency is the transmission frequency of a satellite transmitter.

12. The system of claim 9 further comprising a user interface electrically coupled to receive from the selection unit data arranged as radio signal content categories, and to output a menu of the categories to a listener.

13. The system of claim 12 wherein at least a portion of the menu is output on a visual display.

14. The system of claim 12 wherein at least a portion of the menu is audibly output by the interface.

15. The system of claim 9 further comprising a user interface electrically coupled to receive and relay to the selection unit a user command to select a particular content category in an arrangement of radio signal content categories stored in the selection unit.

16. The system of claim 15 wherein the command is a verbal command.

17. A method of tuning a mobile radio system, comprising the acts of:

providing frequency tuning data to the system;
providing location information to the system, wherein the location information identifies a current position of the system;

selecting particular data for a particular frequency from the tuning data, wherein the particular frequency is associated with a reception area of a radio signal, and wherein the reception area encompasses the position of the system; and

using the selected data to tune and receive the radio signal.

18. The method of claim 17, wherein the frequency tuning data comprises information used to tune to frequency modulated (FM) radio station frequencies.

19. The method of claim 17, wherein the frequency tuning data comprises information used to tune to satellite transmission radio frequencies.

20. The method of claim 17, wherein the frequency tuning data is arranged in categories of content carried by radio signals.

21. The method of claim 20 further comprising the act of outputting to a user a menu of content categories available for the current position.

5 22. The method of claim 20 further comprising the act of receiving a command from a listener to select a particular content category.

10 23. The method of claim 17, wherein providing the frequency tuning data comprises a system user selecting one or more content categories via the Internet and downloading via the Internet to the system the tuning data for the selected categories.

24. The method of claim 23, wherein the user selects the one or more content categories via the World-Wide Web.

25. The method of claim 17, wherein the location information is provided using global positioning system information.

26. The method of claim 17, wherein the location information is provided using cellular wireless communications system information.

25 27. A method of tuning a mobile radio system, comprising the acts of:

providing frequency tuning data to the system;
providing location information to the system, wherein the location information identifies a current position of the system;

30 selecting data for tuning a first particular frequency from the tuning data, wherein the first particular frequency is associated with a first radio signal reception area that encompasses a first position of the system; and

when the current position becomes a second position of the system, automatically selecting data for tuning a second particular frequency from the tuning data, wherein the second particular frequency is associated with a second radio signal reception area that encompasses the second position of the system.

28. The method of claim 27, wherein the frequency tuning data is arranged in categories of content carried by radio signals, and the data for the second particular frequency is in the same content category as the data for the first particular frequency.

29. The method of claim 27, wherein the frequency tuning data comprises information used to tune to frequency modulated (FM) radio station frequencies.

30. The method of claim 27, wherein the frequency tuning data comprises information used to tune to satellite transmission radio frequencies.

31. The method of claim 27, wherein the location information is provided using global positioning system information.

32. The method of claim 27, wherein the location information is provided using cellular wireless communications system information.